

FIG. 1
PRIOR ART

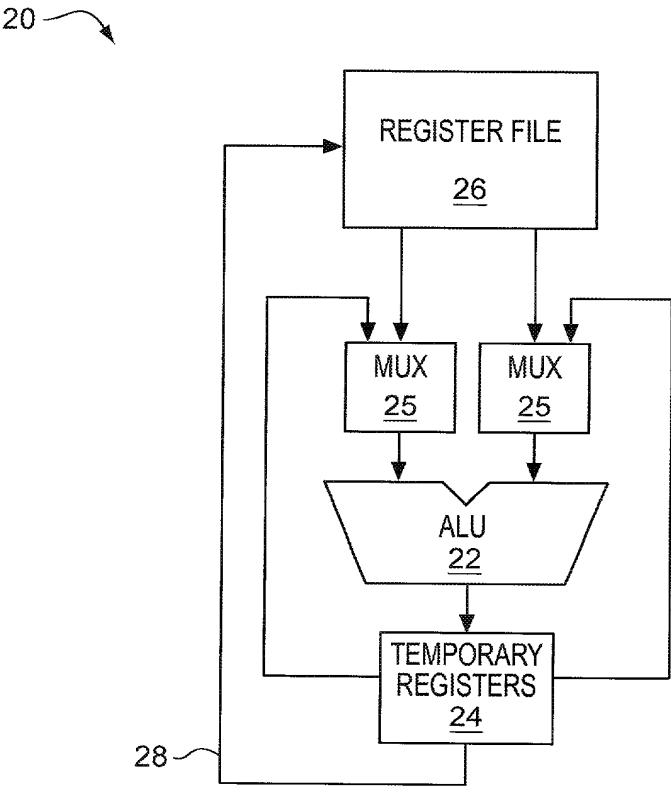
10

12

CYCLE	PIPELINE STAGES			
	F	R	E	W
1	i			
2	i1	i		
3	i2	i1	i	
4	i3	i2	i1	i

16

FIG. 2
PRIOR ART



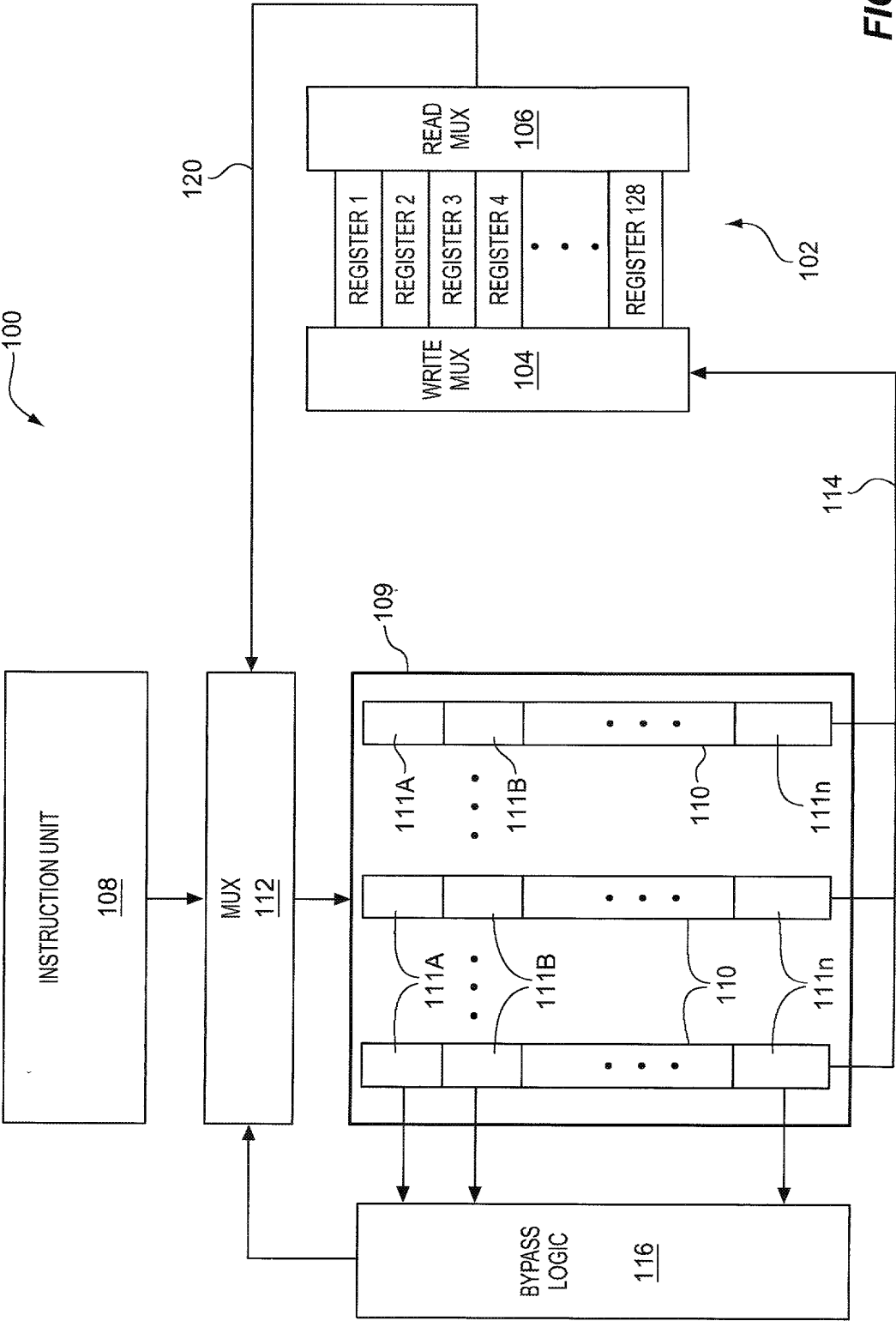


FIG. 3
PRIOR ART

3/6

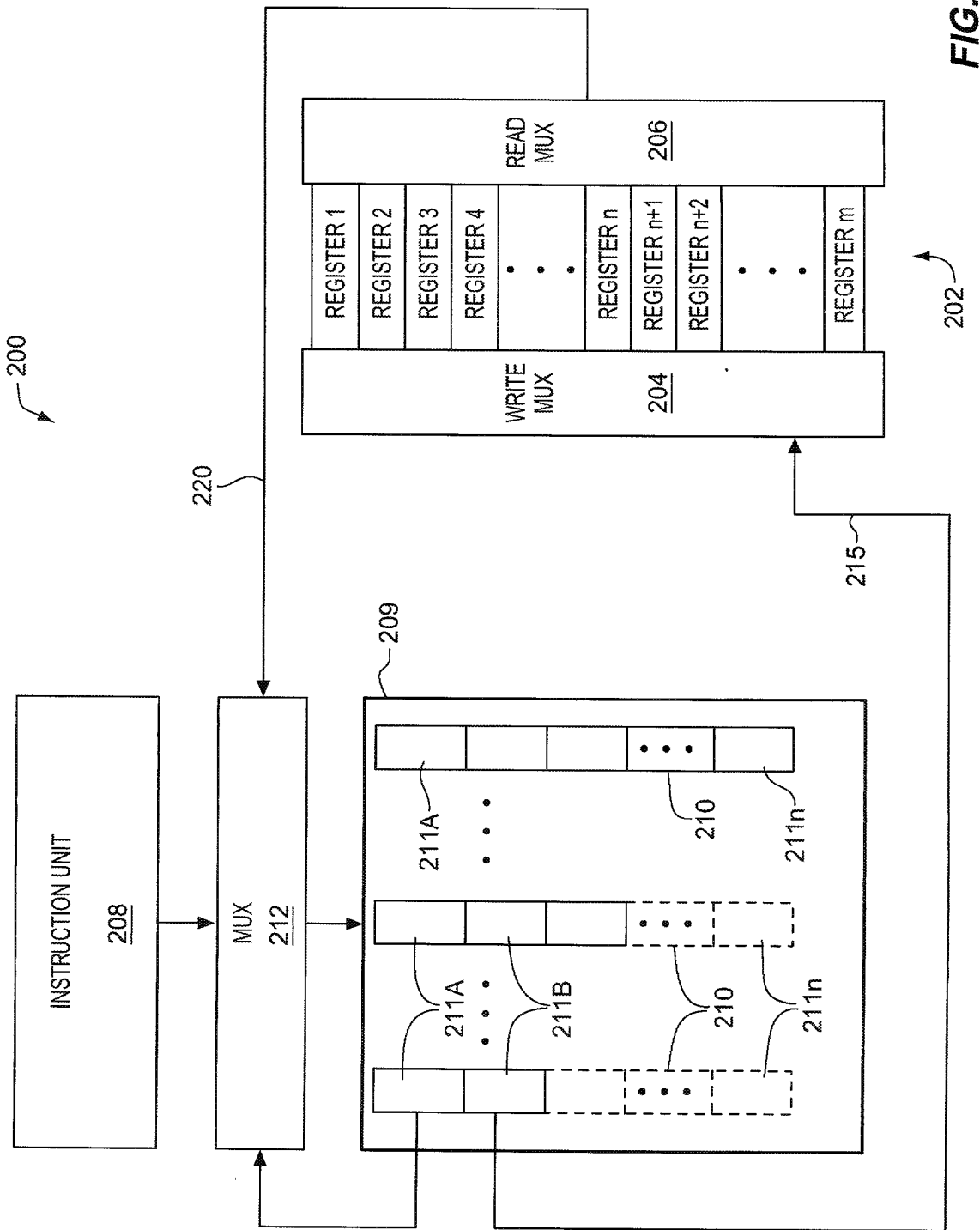


FIG. 4

4/6

FIG. 5

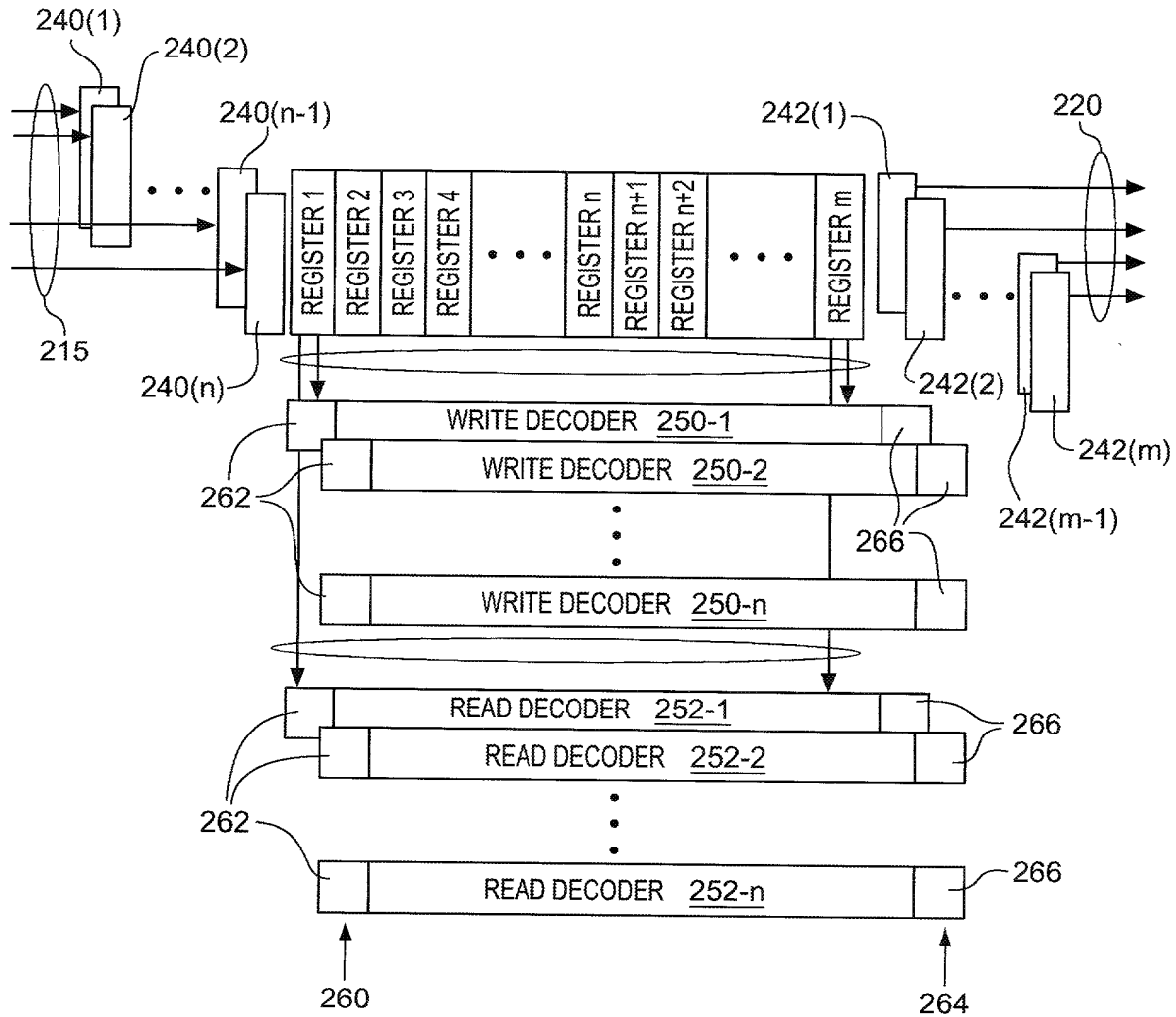


FIG. 6

300

CYCLE	PIPELINES				REGISTER FILE COLUMNS			
	E	D	W	J	K	L		
1	i			Rm, AN	free	free		
2	i1	i		Rm, A	Rm, N	free		
3	i2	i1	i	Rm, A	Rm, N-1	Rm, N		
4	i3	i2	i1	Rm, N	Rm, A	Rm, N-1		
5		i3	i2	Rm, N-1	free	Rm, AN		

FIG. 7

